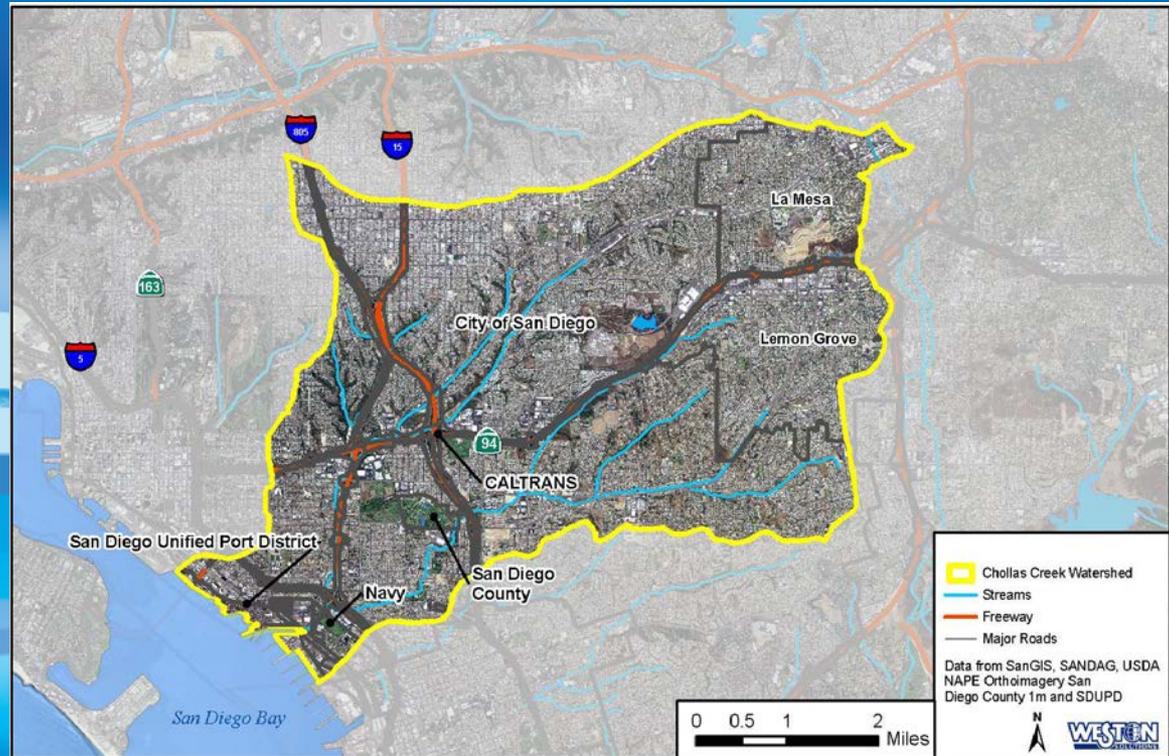


Chollas Creek Metals TMDL Phase I Progress Update



Presented by
Chollas Creek Metals TMDL Dischargers
July 23, 2012

Agenda

- **Welcome**
- **Introductions**
- **Background**
- **Monitoring Results**
- **Project Updates**
- **Overview of Bacteria TMDL**

Participating Agencies

- **City of San Diego**
- **City of La Mesa**
- **City of Lemon Grove**
- **County of San Diego**
- **San Diego Unified Port District**
- **CALTRANS**
- **U.S. Navy**

Background

Stephanie Bauer, Port of San Diego

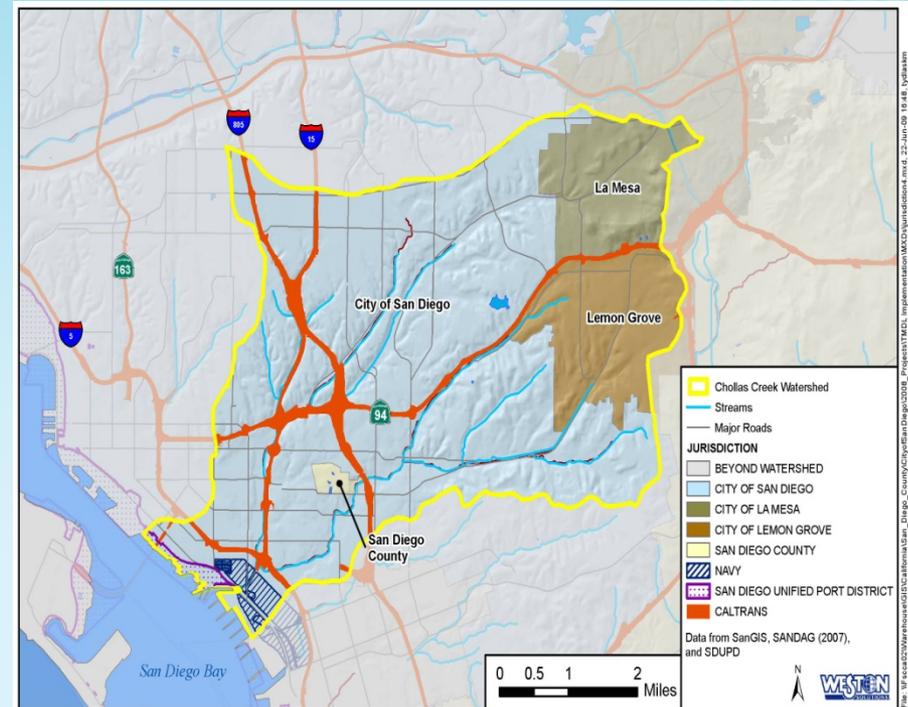
- TMDLs Refresher
- Chollas Creek Metals TMDLs
- Approach
- Update

Total Maximum Daily Loads

- **Required by the Federal Clean Water Act for impaired water bodies**
- **The Purpose of TMDLs is to ...**
 - **Attain Water Quality Objectives and Restore Beneficial Uses**
- **A TMDL is defined as...**
 - **The amount of a pollutant that a waterbody can receive and still meet water quality standards**

Chollas Creek Metals TMDL

- Dissolved Copper, Lead and Zinc
- 20-year compliance timeframe
- Multi-pollutant approach
- Pollutant limit target is based on water hardness
 - Water hardness is a measure of the mineral content of water



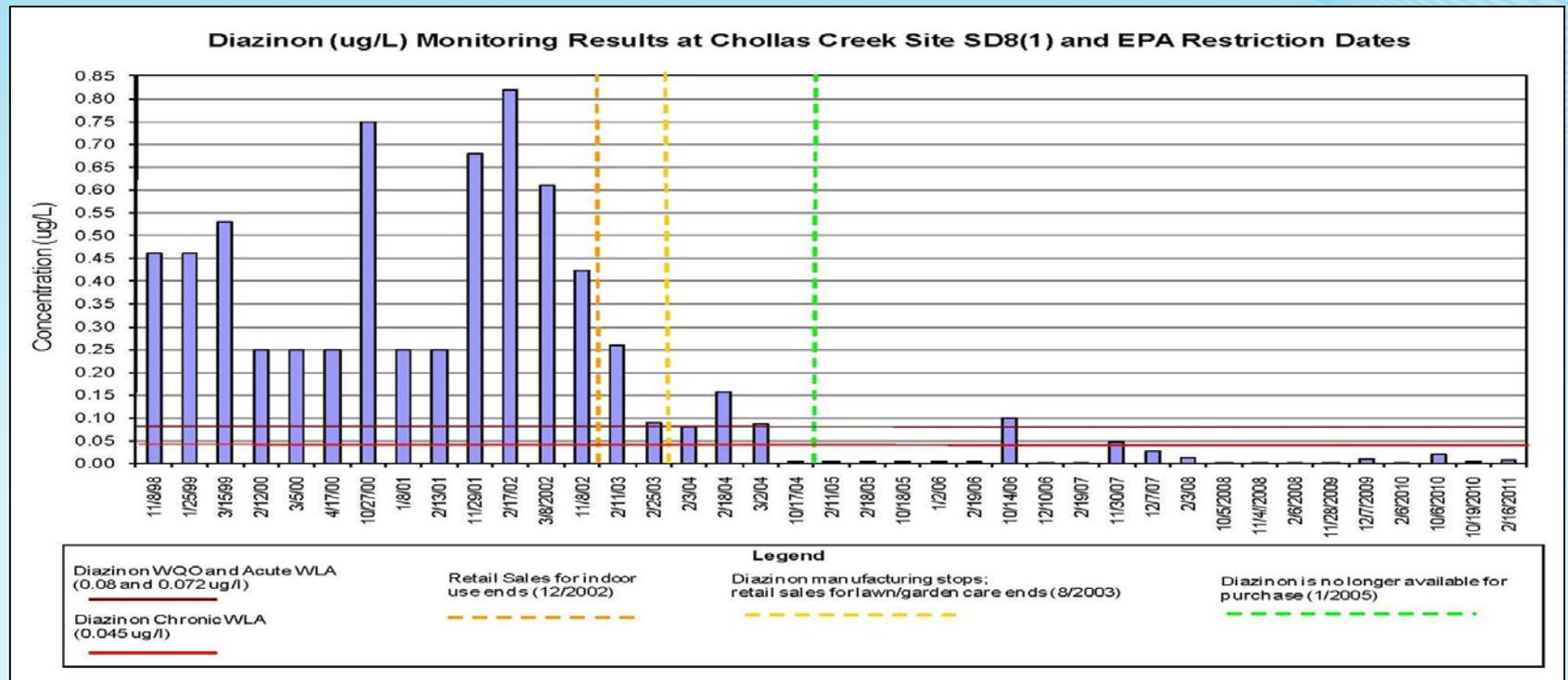
Compliance Schedule

Dissolved Metals TMDL effective on October 22, 2008

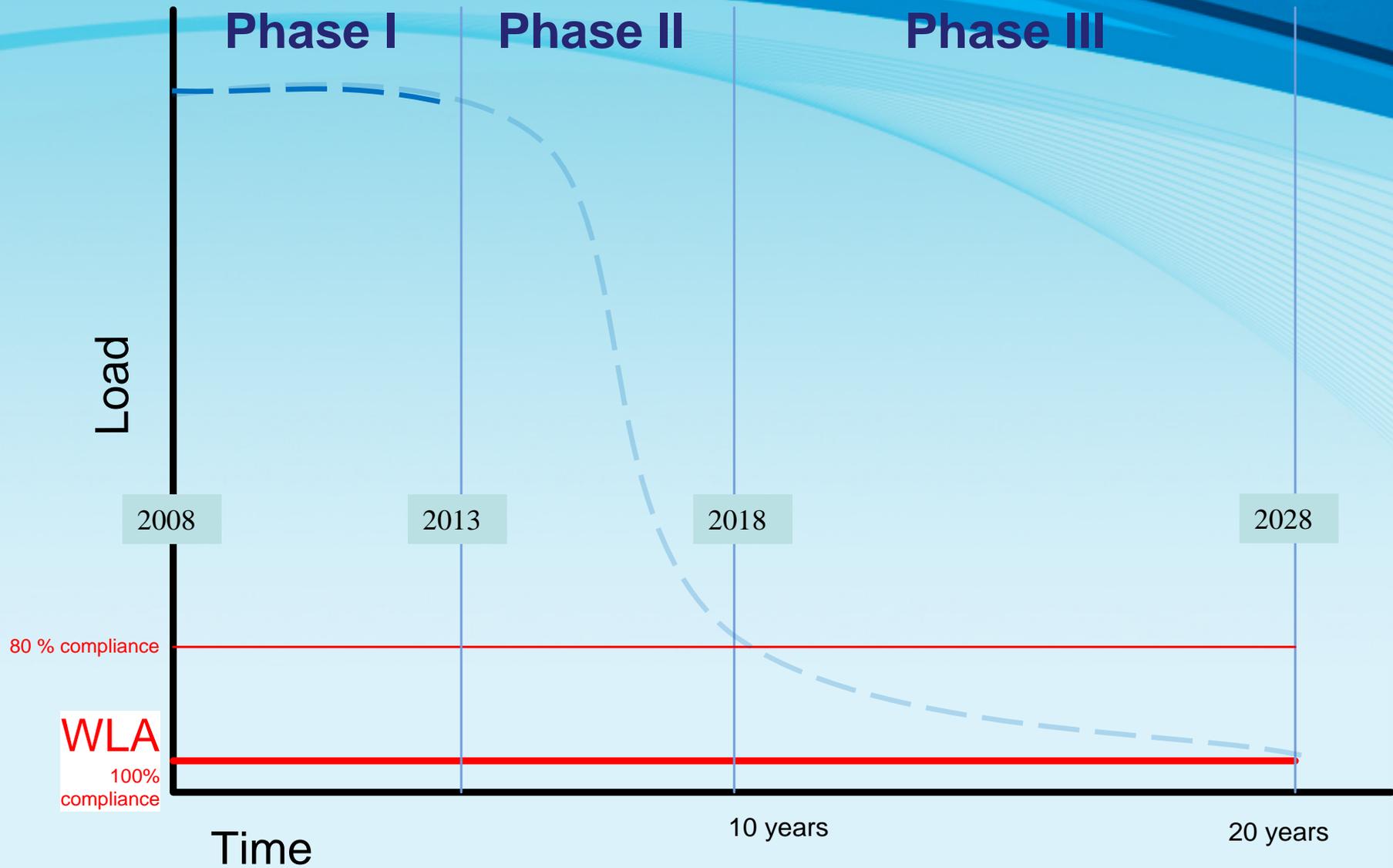
Action	Compliance Date	Complete
Initiated TMDL Monitoring Program	October 1, 2009	✓
Submitted TMDL Implementation Plan	October 22, 2009	✓
Reach 80% reduction of dissolved metals	October 22, 2018	
Attain 100% compliance with Dissolved Metals TMDL	October 22, 2028	

Diazinon in Chollas Creek

- ❖ TMDL approved in 2003
- ❖ EPA banned diazinon in 2004
- ❖ Diazinon significantly reduced by 2005
- ❖ Source control appears effective



Our Approach



Phase I – Progress

- **Activities implemented and/or planned**
 - Pollution prevention
 - Source control
 - Structural BMPs
- **Incorporates ongoing agency wide activities**



Progress – Phase I

- **Total Projects Planned: 106**
- **Total Completed to Date: 27**
- **Total Projects on Schedule: 96
(approximately 91%)**